PCT/IB2004/052001

| A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01T1/24 | | | | | |
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| According to | o International Patent Classification (IPC) or to both national classific | ration and IPC | | | |
| <u>-</u> | SEARCHED | | | | |
| Minimum do | ocumentation searched (classification system followed by classification | ion symbols) | | | |
| IPC 7 | G01T | | | | |
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| Documental | tion searched other than minimum documentation to the extent that s | such documents are included in the fields se | arched | | |
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| Electronic d | ata base consulted during the international search (name of data ba | ise and, where practical, search terms used) | | | |
| EPO-In | ternal, WPI Data, PAJ | | • | | |
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| C POCUME | ENTS CONSIDERED TO BE RELEVANT | | | | |
| Category * | Citation of document, with Indication, where appropriate, of the rel | evant naceanne | Relevant to claim No. | | |
| Calego., | Citation of Cocamon, Warmenessan, Miss appropria | evain passages | Relevant to claim No. | | |
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| | abstract | | | | |
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| | er documents are listed in the continuation of box C. | X Patent family members are listed in | | | |
| , | | "T" later document published after the interr or priority date and not in conflict with the | national filing date | | |
| conside | ered to be of particular relevance | cited to understand the principle or the invention | ory underlying the | | |
| filing da | ate . | "X" document of particular relevance; the cla cannot be considered novel or cannot be | almed invention | | |
| "L" documer which is | nt which may throw doubts on priority claim(s) or s cited to establish the publication date of another | involve an inventive step when the doct "Y" document of particular relevance; the cla | ument is taken alone | | |
| citation | or other special reason (as specified) nt referring to an oral disclosure, use, exhibition or | cannot be considered to involve an inve document is combined with one or more | entive step when the | | |
| other m | neans | ments, such combination being obvious in the art. | to a person skilled | | |
| later tha | nt published prior to the international filing date but an the priority date claimed | "&" document member of the same patent ta | ımily | | |
| Date of the actual completion of the international search | | Date of mailing of the International searc | | | |
| 17 | 7 Fahruanii 200E | · | 06. 06. 2005 | | |
| 1/ | 7 February 2005 | | | | |
| Name and m | alling address of the ISA | Authorized officer | | | |
| | European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk | • | . • | | |
| | Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 | Datta, S | | | |

Interressal Application No
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Information on patern ramily members

Internation No PCT/IB2004/052001

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| Box II | Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet) | | | |
|--|--|--|--|--|
| This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: | | | | |
| 1. | Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: | | | |
| 2. | Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: | | | |
| 3. | Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a). | | | |
| Box III | Observations where unity of invention is lacking (Continuation of item 3 of first sheet) | | | |
| This Inte | rnational Searching Authority found multiple inventions in this international application, as follows: | | | |
| | see additional sheet | | | |
| | | | | |
| 1. | As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims. | | | |
| 2. | As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. | | | |
| 3. | As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.: | | | |
| 4. X | No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.: 1, 2, 8, 9, 13, 21 | | | |
| Remark (| on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees. | | | |

Form PCT/ISA/210 (continuation of first sheet (2)) (January 2004)

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1,2,8,9,13,21

A semiconductor element consisting of cadmium-zinc-telluride or cadmium-telluride crystals.

2. claims: 3,4

Reversing degradation of semiconductor elements by using reverse biasing.

3. claims: 5-7,20

A pre-use screening means for identifying degraded semiconductor elements.

4. claims: 10-12

A method for generating an alarm when the response of the detector signal degrads.

5. claims: 14-19

A pixel analyser to measure the radiation intensity distribution.